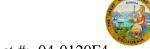
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Orthotropic Box Girder (OBG) Components

Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary **Report No:** WIR-011268 Address: 333 Burma Road **Date Inspected:** 07-Jan-2010

City: Oakland, CA 94607

34-0006

OSM Arrival Time: 645 **Project Name:** SAS Superstructure **OSM Departure Time:** 1845 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name: Liu Fawen **CWI Present:** Yes No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A N/A N/A **Electrode to specification:** Yes No **Weld Procedures Followed:** Yes No N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes N/A **Approved Drawings:** Yes No **Approved WPS:** No

Yes No N/A **Delayed / Cancelled:**

Component:

Summary of Items Observed:

On this date Caltrans Office of Structural Materials Quality Assurance Inspector, Sandeep Kumar (QA) was present during the times noted above for observations relative to the work being performed.

BAY 2

Bridge No:

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No. 005017

Magnetic Particle Testing (MT)

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Components. The weld designations reviewed are as follows:

1. FB3073 - 003 - 001~006

Green Tags

The following green tags issued for the OBG components after completing the NDT requirements are:

- 1. LD010-012 Green Tag # 11969
- 2. LD006-006 Green Tag # 11966

This QA Inspector observed the following work in progress:

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

Flux Core Arc Welding (FCAW):

Weld joint # 007 located on Traveler Rail 20TR1 – 008. Welder is identified as 045209. ZPMC Quality Control (QC) Inspector is identified as Yang Qing Feng. The welding variables recorded by QC appeared to comply with the WPS -B - T - 2232 - Tc - U5 - F.

Weld joint # 001 located on Traveler Rail 20TR1 – 006. Welder is identified as 048433. ZPMC Quality Control (QC) Inspector is identified as Yang Qing Feng. The welding variables recorded by QC appeared to comply with the WPS -B - T - 2232 - Tc - U5 - F.

Weld joint # 005 located on Traveler Rail 20TR1 – 007. Welder is identified as 045209. ZPMC Quality Control (QC) Inspector is identified as Yang Qing Feng. The welding variables recorded by QC appeared to comply with the WPS -B - T - 2232 - Tc - U5 - F.

BAY3

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No. 005010

Magnetic Particle Testing (MT)

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Components. The weld designations reviewed are as follows:

1. LD3009 – 001 – 036; 044; 056; 064; 072; 078

This QA Inspector observed the following work in progress:

Shielded Metal Arc Welding (SMAW):

Weld joint # 148 located on Cross Beam CB202G – 041. Welder is identified as 069683. ZPMC Quality Control (QC) Inspector is identified as Guo Yuan Ting. The welding variables recorded by QC appeared to comply with the WPS -B - P - 2114 - FCM - 1.

Flux Core Arc Welding (FCAW):

Weld joint # 031 located on Floor Beam FB205 – 044. Welder is identified as 204338. ZPMC Quality Control (QC) Inspector is identified as Guo Yuan Ting. The welding variables recorded by QC appeared to comply with the WPS -B - P - 2232 - B - U2 - F - 1.

Weld joint # 036 located on Floor Beam FB205 – 044. Welder is identified as 204338. ZPMC Quality Control (QC) Inspector is identified as Guo Yuan Ting. The welding variables recorded by QC appeared to comply with the WPS - B - P - 2233 - B - U2 - F.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No Relevant Conversations.

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang - 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Kumar,Sandeep	Quality Assurance Inspector
Reviewed By:	Hall,Steven	QA Reviewer